Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/11/2016 12:01 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124146	-1	1.57	124061	1.55
Blue	F	SSC	125000	121131	-4	3.35	121525	3.21
Blue	E	FITC	22946	22316	-3	2.36	995	9.40
Blue	D	PE	28770	28202	-2	1.90	1014	8.64
Blue	B	PerCP-Cy5-5	51099	50153	-2	3.29	1436	15.60
Blue	A	PE-Cy7	42312	41898	-1	4.84	650	32.35
Red	C	APC	52169	51499	-2	2.70	2970	9.11
Red	A	APC-Cy7	56705	55643	-2	2.85	1152	10.70
Violet	B	V450	14708	14100	-5	4.43	675	9.17
Violet	A	V500	58608	57344	-3	4.25	2546	6.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19576	3.75	593	-5	N/A	N/A	Pass
Blue	F	SSC	60549	1.67	521	3	N/A	N/A	Pass
Blue	E	FITC	111	36.63	529	-2	0.0252	178	Pass
Blue	D	PE	222	26.32	525	-1	0.2158	274	Pass
Blue	B	PerCP-Cy5-5	226	42.24	620	-2	0.0123	142	Pass
Blue	A	PE-Cy7	73	103.25	668	-3	0.0142	8	Pass
Red	C	APC	348	26.02	588	-2	0.0220	34	Pass
Red	A	APC-Cy7	127	39.09	571	-5	0.0064	1923	Pass
Violet	B	V450	81	42.36	467	8	0.0470	1977	Pass
Violet	A	V500	185	24.04	497	9	0.0141	701	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.38	-31.10	0.84
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.31
Red	17.66	13.27 - 19.91	N/A	N/A	31.54	31.83	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9683

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments